

12-06-01

1743



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Angad Singh; Shahzi S. Iqbal
Assignee: Microgen Systems, Inc.
Title: Automated Microfabrication-Based Biodetector
Serial No.: 09/766,742 Filing Date: January 22, 2001
Examiner: To Be Assigned Group Art Unit: To Be Assigned
Docket No.: M-9289 US

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Newport Beach, California
October 31, 2001

COMMISSIONER FOR PATENTS
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR § 1.97(b)

Dear Sir:

Pursuant to 37 C.F.R. § 1.56, § 1.97 and § 1.98, the documents listed on the accompanying form PTO-1449 are called to the attention of the Examiner for the above patent application. Copies of these documents are enclosed.

Citation of these documents shall not be construed as:

1. an admission that the documents are necessarily prior art with respect to the instant invention;
2. a representation that a search has been made; or
3. an admission that the information cited herein is, or is considered to be, material to patentability as defined in § 1.56(b).

EXPRESS MAIL LABEL NO:

EV004869035US

Respectfully submitted,

Mary Jo Bertani
Mary Jo Bertani
Attorney for Applicant(s)
Reg. No. 42,321

U.S. Department of Commerce, Patent and Trademark Office					Atty Docket No.:		Serial No.:	
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)					Applicant(s):			
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U.S. Patent Documents							
*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	AA	6,109,889	08/29/2000	Zengerle et al.	417	413.2	
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

Foreign Patent Documents								
		Document	Date	Country	Class	Subclass	Translation	
							Yes	No
	AL							
	AM							
	AN							
	AO							
	AP							

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)		
	AQ	Stehr, M. et al., "A New Micropump with Bioirectional Fluid Transport and SelfBlocking Effect", Proceedings of the 1996 IEEE Workshop on Microelectromechanical Systems (MEMS 96), San Diego, CA, pp. 485-490.
	AR	Iqbal, S.S. et al., "A Review of Molecular Recognition Technologies for Detection of Biological Threat Agents", Biosensors and Bioelectronics, 15 (ELSEVIER 2000), pp. 549-578.
	AS	Anderson R.C. et al., "Genetic Analysis Systems: Improvements and Methods", Solid-State Sensor and Actuator Workshop, Hilton Head Island, South Carolina, June 8-11, 1998.

Examiner	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.

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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)		
AQ	Woolley, Adam et al., "Functional Integration of PCR Amplification and Capillary Electrophoresis in a Microfabricated DNA Analysis Device", Analytical Chemistry, 1996,68, 4081-4086.	
AR	Lagorce, Laure K. et al., "Magnetic Microactuators Based on Polymer Magnets", IEEE Journal of Microelectromechanical Systems, Vol. 8, No. 1, March 1999.	
AS	Stehr, M. et al., "The Selfpriming VAMP", Transducers '97, International Conference on Solid-State Sensors and Actuators (1997).	

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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)		
AQ	Forster, Fred K. et al., "Design, Fabrication and Testing of Fixed-Valve Micro-Pumps", FED-Vol. 234, IMECE, Proceedings of the ASME Fluids Engineering Division, ASME 1995, pp. 39-44.	
AR	Jang, Ling-Sheng et al., "Transport of Particle-Laden Fluids Through Fixed-Valve Micropumps", ASME International Mechanical Engineering Congress & Exposition, November 14-19, 1999.	
AS	Gerlach, Torsten, "Pumping Gases by a Silicon Micro Pump with Dynamic Passive Valves", International Conference on Solid-State Sensors and Actuators, Chicago, June 16-19, 1997.	

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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)	
AQ	Evans, John D. et al., "The "Spring Valve" Mechanical Check Valve for In-Plane Fluid Control", Berkeley Sensor & Actuator Center, 497 Cory Hall, University of California, Berkeley.
AR	Becker, Holger et al., "Polymer High Aspect Ratio Structures Fabricated with Hot Embossing", Jenoptik Mikrotechnik, Jena, Germany.
AS	Alsson, Anders, "Valve-Less Diffuser Pumps for Liquids", Instrumentation Laboratory Department of Signals, Sensors and Systems Royal Institute of Technology, Stockholm, Sweden 1996.

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